

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

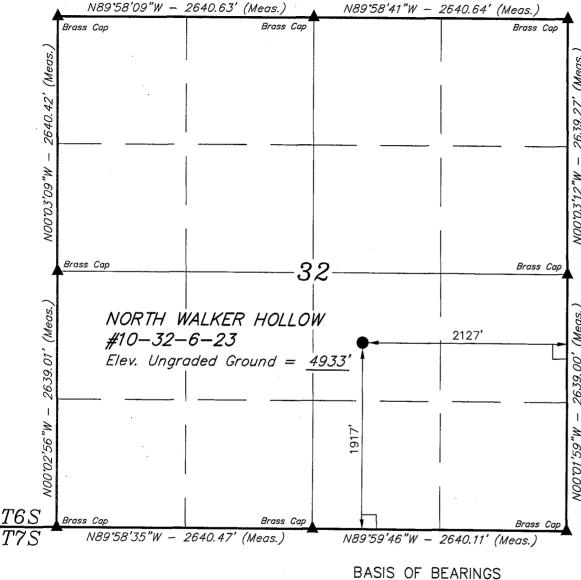


AMENDED REPORT (highlight changes)

	A	PPLICATION	ON FOR	PERMIT TO	DRILL			5. MINERAL LEAS ML-47777	SE NO:	6. SURFACE: State
1A. TYPE OF WO	RK: DF	RILL 🕢 RI	EENTER [	DEEPEN				7. IF INDIAN, ALL	OTTEE OR T	RIBE NAME:
B. TYPE OF WEL	L: OIL	GAS 🗾 O	THER	SIN	GLE ZONE [	MULTIPLE ZON	IE 🗸	8. UNIT or CA AG	REEMENT N	AME:
2. NAME OF OPE	RATOR:							9. WELL NAME at	nd NUMBER:	
The Housto	n Exploration	on Company								ow 10-32-6-23
3. ADDRESS OF C		0 Hausta	~	TV 77	003	PHONE NUMBER:		10. FIELD AND P		.DCAT;
	WELL (FOOTAGES	O CITY Houston		TX ZIP 77	110	(713) 830-6800		Undesig		NSHIP RANGE
	`	& 2127' FEL	Lo4	0151X	40.	256480		MERIDIAN:		
		e: same as a	above 4	4373174	-100	25 <b>4480</b> 9. 352011		NWSE 3	2 T6S	3 23E
		CTION FROM NEARE			· · · · · · · · · · · · · · · · · · ·			12. COUNTY:		13, STATE:
	es south of			The contract of the contract o				Uintah		UTAH
15. DISTANCE TO	NEAREST PROP	ERTY OR LEASE LIN	E (FEET)	16. NUMBER O	F ACRES IN LEA	ASE:	17. N	L UMBER OF ACRES	ASSIGNED	TO THIS WELL:
1,917'						640				40
	NEAREST WELL ON THIS LEASE	(DRILLING, COMPLE	TED, OR	19. PROPOSED	DEPTH:		20. B	OND DESCRIPTION	J:	
1,800'		(1221)				9,000	10	)4155044		
	(SHOW WHETHER	R DF, RT, GR, ETC.):				K WILL START:		STIMATED DURATI	ON:	
4,933 GR			· · · · · · · · · · · · · · · · · · ·	11/15/20	005 		30	Days		·····
24.			PROPOS	SED CASING A	ND CEMEN	ITING PROGRAM				
SIZE OF HOLE	CASING SIZE, 0	GRADE, AND WEIGH	T PER FOOT	SETTING DEPTH		CEMENT TYPE, QU	ANTITY	YIELD, AND SLUR	RY WEIGHT	
11"	8 5/8"	J-55	36#	2,000	PREMIU	M LITE II	250	SKS :	3.38 CF	11.0 PPG
					CLASS "	G"	329	SKS	1.2 CF	15.6 PPG
	<u>*************************************</u>				Calcium	Chloride	200	SKS	1.10 CF	15.6 PPG
7 7/8"	4 1/2"	N-80	11.6#	9,000	PREMIU	M LITE II	200	SKS	3.3 CF	11.0 PPG
					CLASS "	G"	400	SKS	1.56 CF	14.3 PPG
									<del></del>	
25.				ATTA	CHMENTS		<del></del>	CONFI	7FNT	IA
	LOWING ARE ATT	ACHED IN ACCORD	ANCE MITH THE	UTAH OIL AND GAS C				<u>OUNI II</u>		2 / Con
				01, 11, 012, 11, 10, 0, 10, 0	1	OLIVETOLEO.				
WELL PL	AT OR MAP PREPA	ARED BY LICENSED	SURVEYOR OR I	ENGINEER		OMPLETE DRILLING PLAN				•
<b>V</b> EVIDENC	E OF DIVISION OF	F WATER RIGHTS AF	PPROVAL FOR US	SE OF WATER	F	ORM 5, IF OPERATOR IS P	ERSON	OR COMPANY OTH	ER THAN TH	E LEASE OWNER
NAME (PLEASE	PRINT) Willam	A. Ryan			тіті	LE Agent				
SIGNATURE	Villian	-a Ka			DA"	TE 11-7-15				
(This space for Sta	te use only)			Pagerania.					/- C	
		V		Ap	proved	by the		RECEI\	トトロ	
		. #			ah Divis Gas and			NOV 17		
API NUMBER AS	SIGNED:	13-047-	32400		APPROVA	TI TANKINI IN TO		•		10
	,	•		Date:	1-65	-091111	D!	V OF OIL, GA	S & MINII	NG .

(11/2001)

## T6S, R23E, S.L.B.&M.



BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

#### LEGEND:

= 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

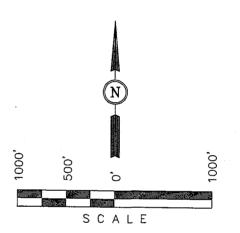
#### (AUTONOMOUS NAD 83) LATITUDE = $40^{\circ}15'23.46"$ (40.256517) LONGITUDE = 109°21'09.54" (109.352650) (AUTONOMOUS NAD 27) LATITUDE = $40^{\circ}15'23.59"$ (40.256553) LONGITUDE = $109^{\circ}21'07.08"$ (109.351967)

#### THE HOUSTON EXPLORATION COMPANY

Well location, NORTH WALKER HOLLOW #10-32-6-23. located as shown in the NW 1/4 SE 1/4 of Section 32, T6S, R23E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 32, T6S, R23E, S.L.B.&M. TAKEN FROM THE JENSEN QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4959 FFFT.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREMA FIELD NOTES OF ACTUAL SURVEYS MORE OF ME OR UND SUPERVISION AND THAT THE SAME RESTRICE AND CORR BEST OF MY KNOWLEDGE AND BE

#### & LAND SURVEYING UINTAH ENGINEERING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 07-20-05 07-25-05			
PARTY N.H. D.S. P.M.	REFERENCES G.L.O. PLAT			
WEATHER HOT	FILE THE HOUSTON EXPLORATION COMPANY			

#### Ten Point Plan

#### The Houston Exploration Company

#### North Walker Hollow #10-32-6-23

Surface Location NW ¼ SE ¼, Section 30, T. 6S., R. 23E.

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#### 1. Surface Formation

Green River

#### 2. Estimated Formation Tops and Datum:

Formation	Depth	Datum	
GR	Surface	4,933'	
KB	+12'	4,945'	
Green River	3,085	+1,860'	
Wasatch	6,085'	-1,140'	
Mesaverda	8,585'	-3,640'TD	

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

#### 3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

Off set well information

Permitted/Drilled:

North Walker Hollow #2-32-6-23 North Walker Hollow #8-32-6-23 North Walker Hollow #12-32-6-23

North Walker Hollow #16-32-6-23

Abandoned Wells:

WHU #3

## 4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	<u>Grade</u>	& Tread	Depth	New/Used
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	$4\frac{1}{2}$	11.6#	N-80	LTC	T.D.	NEW

## **Cement Program:**

# The Surface Casing will be cemented to the Surface as follows:

Lead:	Casing <u>Size</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement <u>Weight</u>
Lead.	8 5/8	Premium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasili 3% Potassium Chlori		3.38ft³/sk	11.0 ppg
Tail:		370 I Guastum Cinon			
	8 5/8	Class "G" 2% Calcium Chlorid .25#/sk Cello Flake	329 sks. +/- e	1.2ft³/sk	15.6 ppg
Top Jo	b:				
	8 5/8	4% Calcium Chloride .25#/sk Cello Flake	200 sks. +/	-1.10ft³/sk	15.6 ppg

#### Production casing will be cemented to 2,500' or higher as follows:

	Casing	Cement	Cement	Cement	Cement
	<u>Size</u>	Type	<u>Amounts</u>	<u>Yield</u>	Weight
Lead:					
	4 1/2	Premium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chlori .055 gps FP-6L 10% Bentonite .5 Sodium Metasilica	ide	3.3ft³/sk	11.0 ppg

Tail:

4 1/2 Class "G" 400 sks +/- 1.56ft³/sk 14.3 ppg
.05% Static Free
2 Sodium Chloride
.1% R-3
2% Bentonite

#### 5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

#### 6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss M1/30 Mins.	Mud Type
0-2000 2000-T.D.	Air/Clear Water 8.4-12.0	30	No Control 8-10	Water/Gel Water/Gel

#### 7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

#### 8. Testing, Coring, Sampling and Logging:

a) Test: None are anticipated.

b) Coring: There is the possibility of sidewall coring.

c) Sampling: Every 10' from 2000' to T.D.

d) Logging: Type Interval

DLL/SFL W/GR and SP T.D. to Surf. Csg FDC/CNL W/GR and CAL T.D. to Surf. Csg

#### 9. Abnormalities (including sour gas):

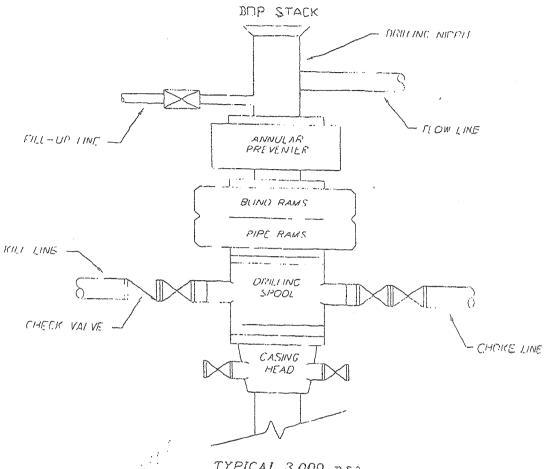
No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

#### 10. Drilling Schedule:

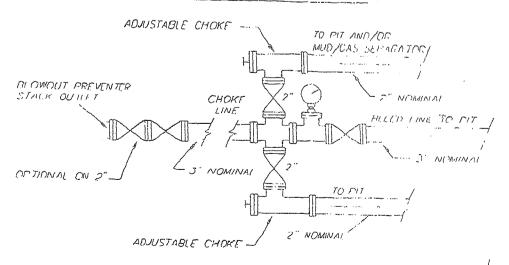
The anticipated starting date is \_\_\_\_\_. Duration of operations is expected to be 30 days.

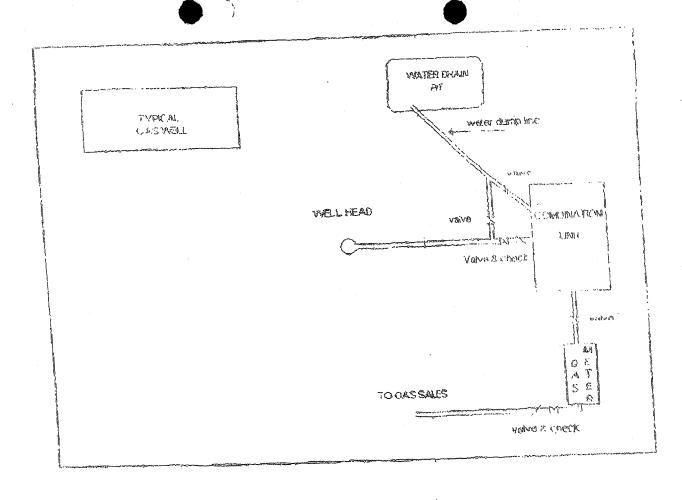
# THE HOUSTON EXPLORATION COMPANY

# TYPICAL 3,000 p.s.z. BLOWOUT PREVENTER SCHEMATIC



#### TYPICAL 3,000 p.s.z. CHOKE MANIFOLD SCHEMATIC





# THE HOUSTON EXPLORATION COMPANY 13 POINT SURFACE USE PLAN FOR WELL

North Walker Hollow #10-32-6-23

LOCATED IN NW 1/4 SE 1/4

**SECTION 32, T.6S, R23E, S.L.B.&M.** 

**UINTAH COUNTY, UTAH** 

**LEASE NUMBER: ML-47777** 

**SURFACE OWNERSHIP: STATE** 

#### 1. Existing Roads:

To reach The Houston Exploration Co. well North Walker Hollow 18-32-6-23 Section 32, T6S, R 23E, Starting in Vernal, Utah.

Proceed in an easterly direction from Vernal, Utah along U.S. Highway 40 approximately 13.7 miles to the junction of this road and an existing road to the south; turn right and proceed in a southerly, then southwesterly, then southeasterly direction approximately 8.4 miles to the junction of this road and an existing road to the southeast; turn left and proceed in a southeasterly direction approximately 2.9 miles to the beginning of the proposed access to the southwest; follow road flags in a southwesterly, then northwesterly direction approximately 0.15 miles to the proposed location.

#### Total distance from Vernal, Utah to the proposed well location is approximately 25.15 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

#### 2. Planned access road

The proposed access road will be approximately 792' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

A) Approximate length	792 ft
B) Right of Way width	30 ft
C) Running surface	18 ft
D) Surface material Na	tive soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface	ownership
	State
L) All new construction	on lease
	1/22

Yes

#### M) Pipe line crossing None

Please see the attached location plat for additional details.

#### An off lease right-of-way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

#### 3. Location of existing wells The following wells are located within a one-mile radius of the location site.

A) Producing well	None
B) Water well	None
C) Abandoned well	
WHU #3	
D) Temp. abandoned well	None
E) Disposal well	None
F) Drilling /Permitted well	
North Walker Hollow 2-32	2-6-23
North Walker Hollow 8-32	2-6-23
North Walker Hollow 12-	32-6-23
North Walker Hollow 16-	32-6-23
G) Shut in wells	None
H) Injection well	None

# I) Monitoring or observation well None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted an **Carlsbad Canyon** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is **Carlsbad Canyon**.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 930' +/- of 3" steel surface gas gathering line would be constructed on State Lands. The line will tie into a proposed pipeline in Section 32, T6S, R23E. The pipeline would be strung and boomed to the east of the location. The pipeline may be buried as determined by the Authorized Officer at the onsite.

An off lease right-of-way will not be required.

Please see the attached location diagrams for pipeline location.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter.

Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meterproving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

#### 5. Location and type of water supply

Water for drilling and cementing will come from The Green River in Permit # T-76073.

#### 6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

#### 7. Methods for handling waste disposal

#### A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

#### B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.

#### C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

#### D) Sewage:

A portable chemical toilet will be supplied for human waste.

#### E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

#### 8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

#### 9. Well-site layout

Location dimensions are as follows:

A) Pad length	345 ft.
B) Pad width	245 ft.
C) Pit depth	12 ft.
D) Pit length	150 ft.
E) Pit width	75 ft.
F) Max cut	18.2 ft.
G) Max fill	6.4 ft.
TTO THE . THE	0.000

- H) Total cut yds. 8,280 cu yds
- I) Pit location

West side

- J) Top soil location No
- North end
- K) Access road location

Southeast end

L) Flare Pit

corner C

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

#### 10. Plans for restoration of the surface

Prior to construction of the location. the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,660 cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

#### A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

#### B) Seed Mix

To be determined by the Authorized Officer.

#### 11. Surface ownership:

Access road State
Location State
Pipe line State

#### 12. Other information:

#### A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

#### B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

#### C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported

promptly to the surface management agency.

D) Water:

The nearest water is the Green River located 6 miles to the Northwest.

#### E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

#### F) Notification:

- a) Location Construction At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
  At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has

been off production for more than 90 days.

#### G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

# 13. Lessees or Operator's representative and certification

#### A) Representative

William A. Ryan Rocky Mountain Consulting 290 S 800 E Vernal, UT 84078

Office 435-789-0968 Fax 435-789-0970 Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new

application will be filed for approval for any future operations.

#### B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by The Houston **Exploration Company and its** contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 11-14-06

William A. Ryan, Agent Rocky Mountain Consulting

**Onsite Dates:** 

# Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan
Agent for The Houston Exploration Company
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell 435-789-0970 Fax

# THE HOUSTON EXPLORATION COMPANY

NORTH WALKER HOLLOW #10-32-6-23

LOCATED IN UINTAH COUNTY, UTAH **SECTION 32, T6S, R23E, S.L.B.&M.** 

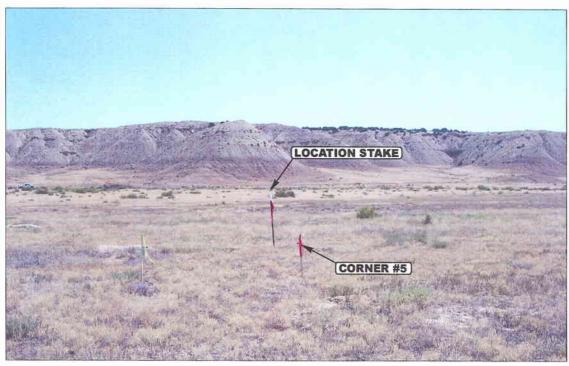


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: EASTERLY** 

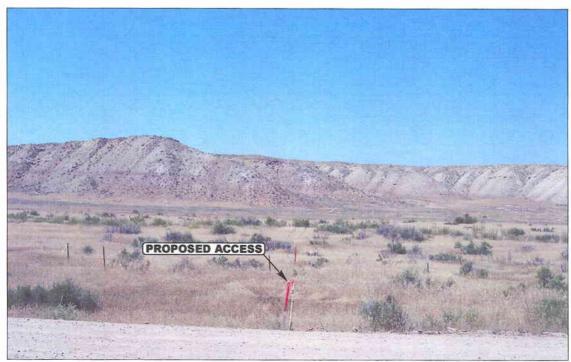


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: SOUTHWESTERLY** 

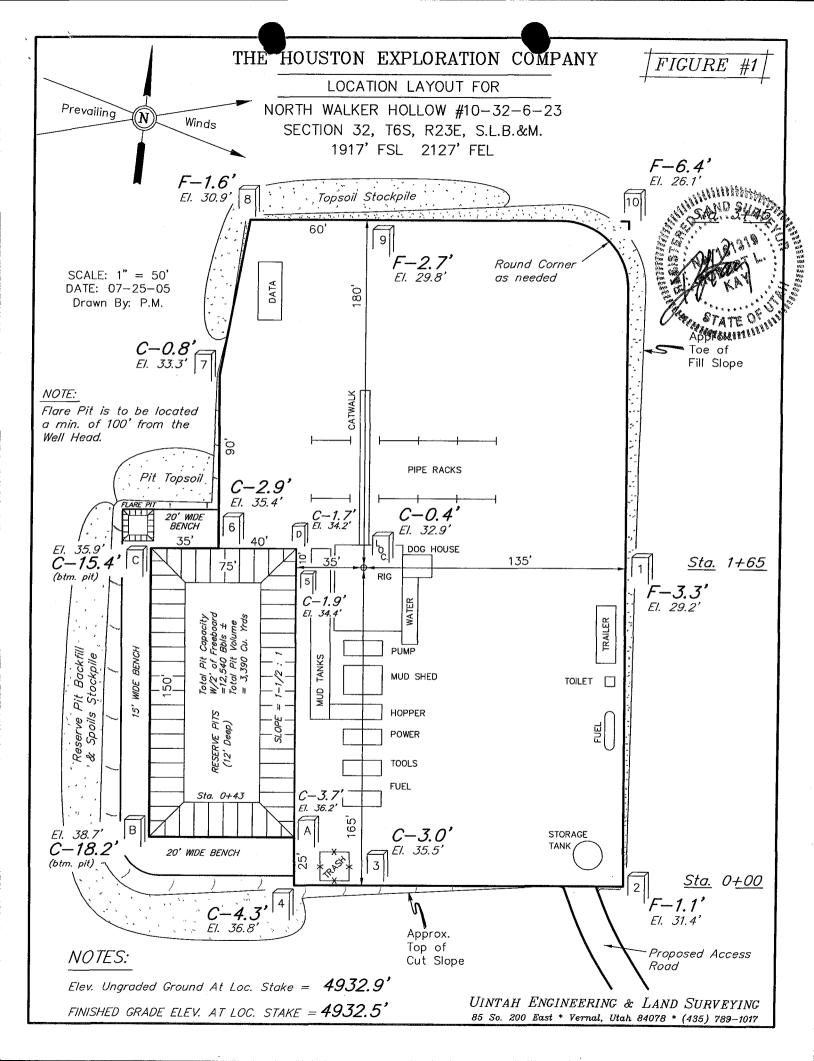


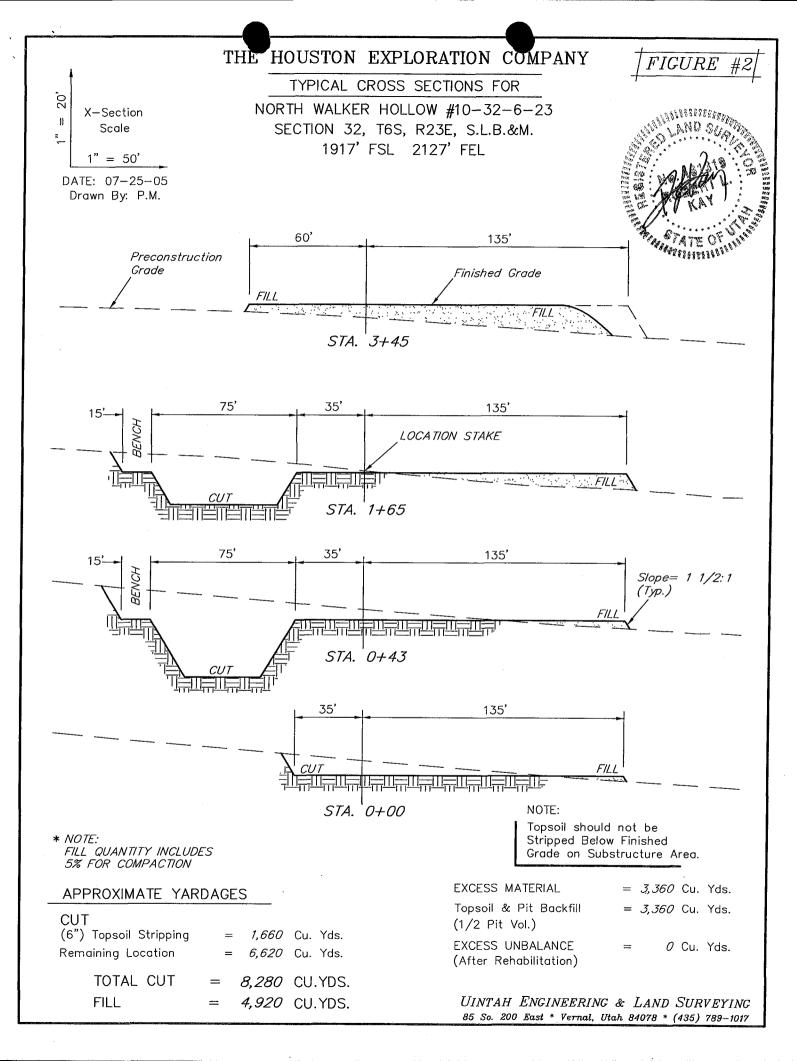
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

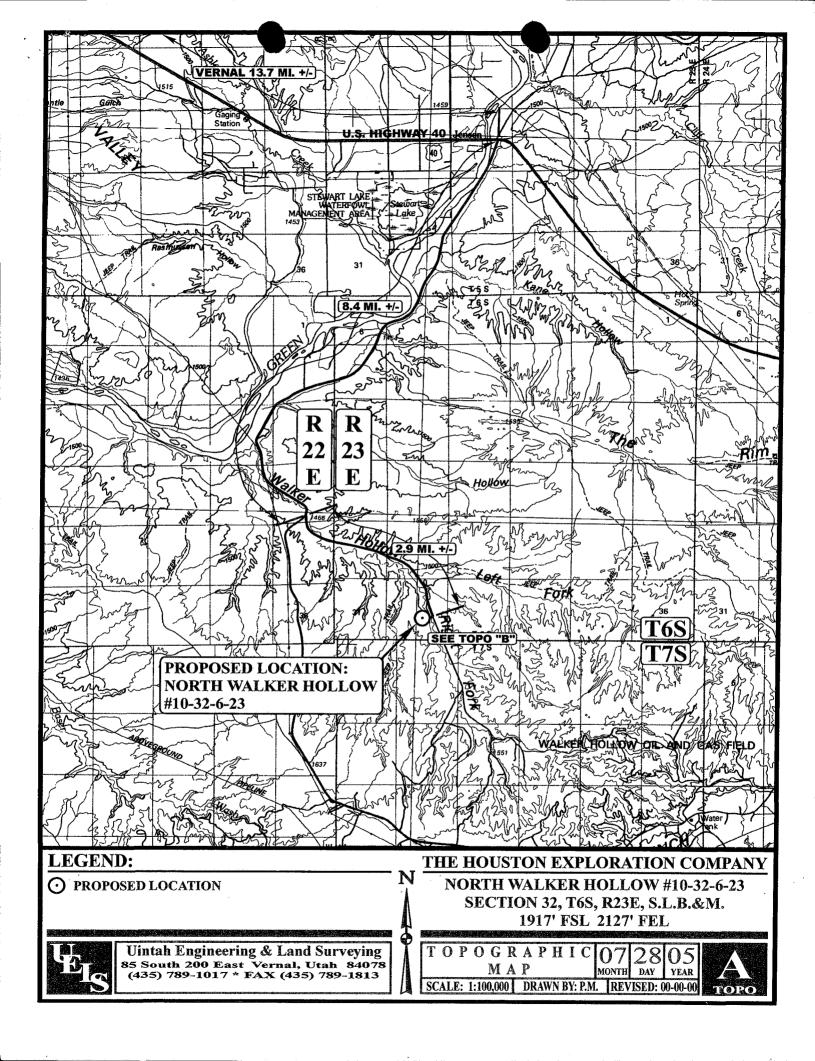
**LOCATION PHOTOS** 

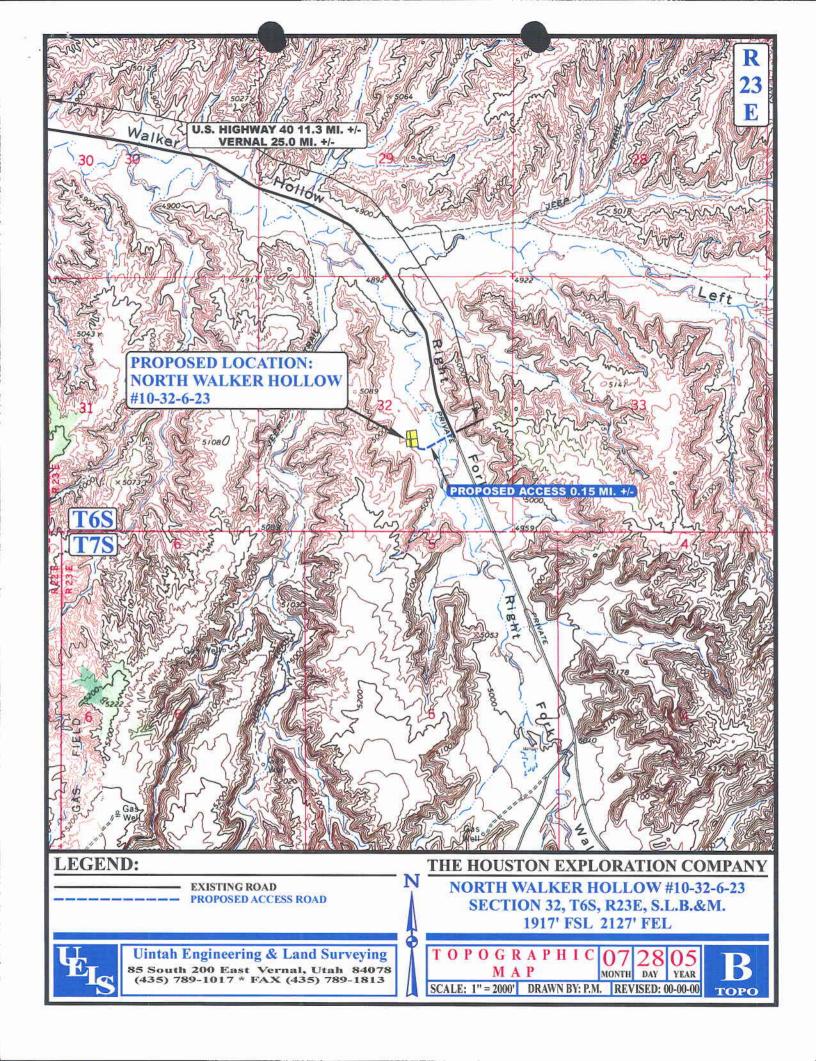
MONTH DAY YEAR TAKEN BY: N.H. | DRAWN BY: P.M. | REVISED: 00-00-00

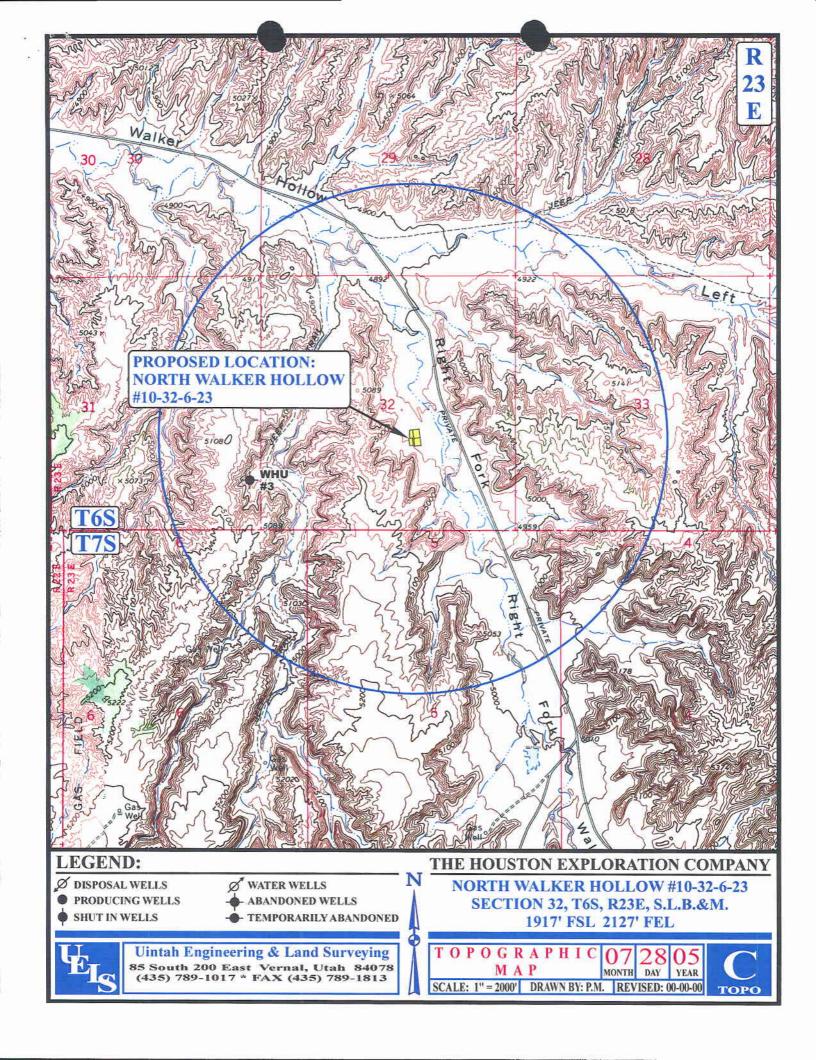
РНОТО

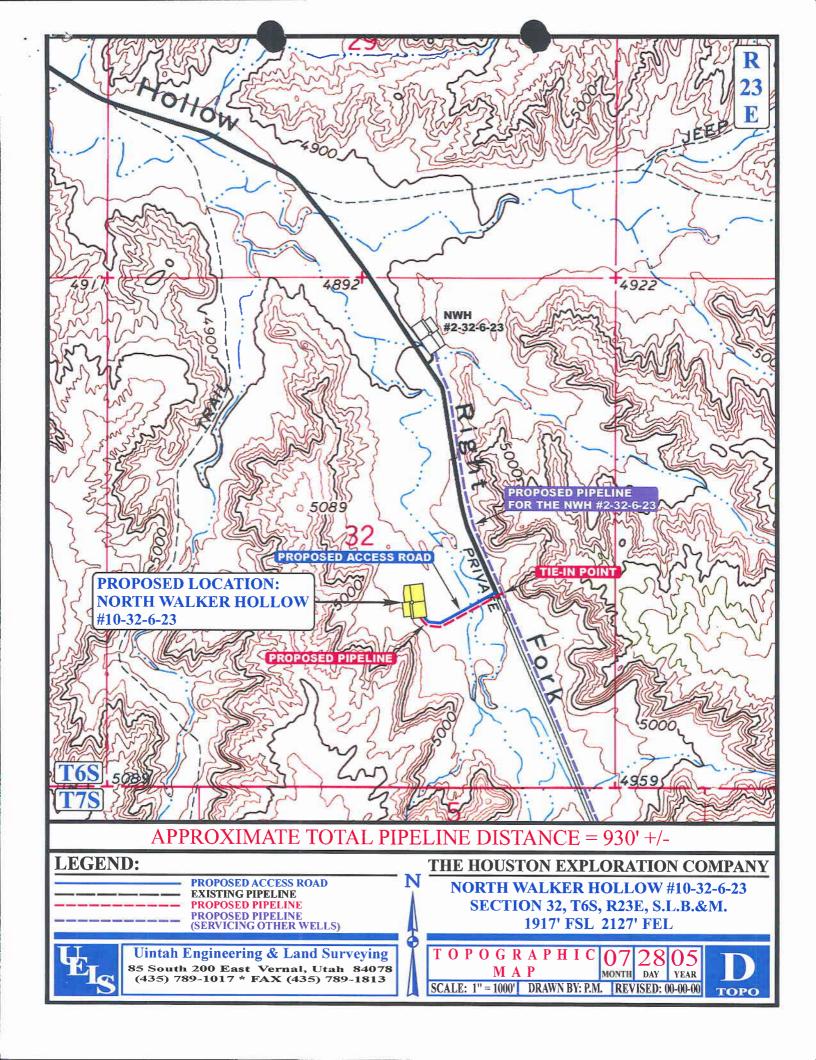




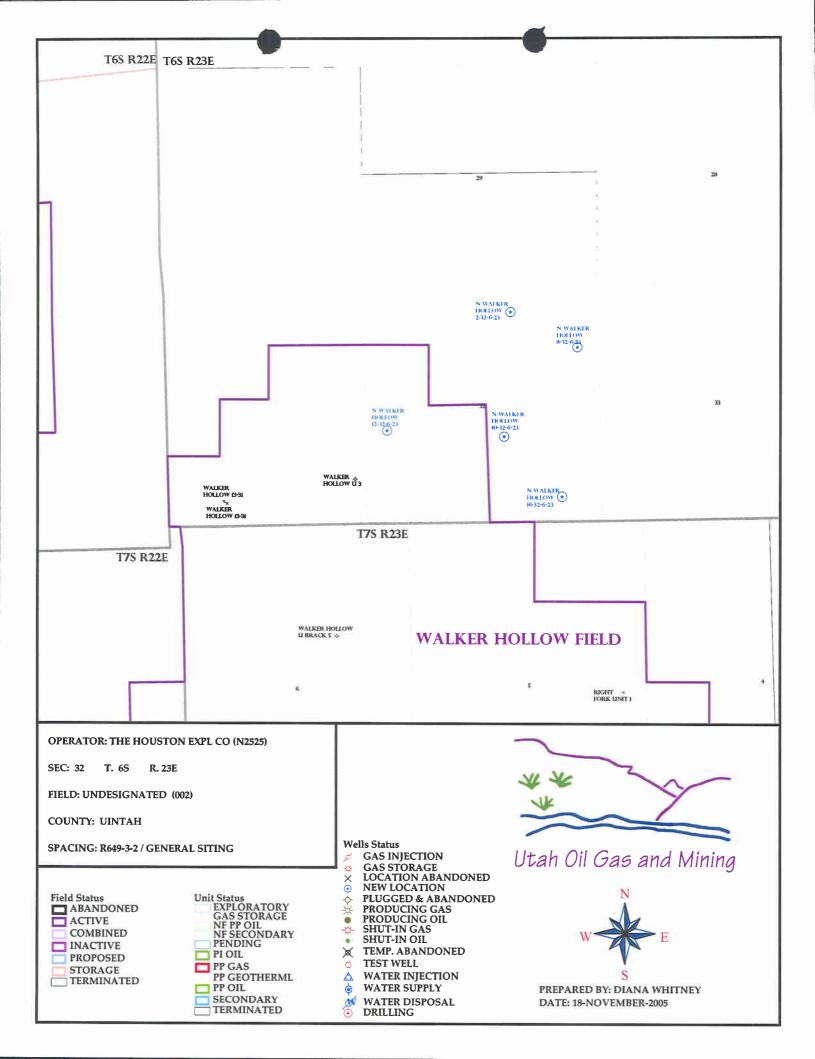








APD RECEIVED: 11/17/2005	API NO. ASSIGNED: 43-047-37400			
WELL NAME: N WALKER HOLLOW 10-32-6-23  OPERATOR: HOUSTON EXPLORATION CO, ( N2525 )  CONTACT: BILL RYAN	PHONE NUMBER: 4	35-789-0968	·	
PROPOSED LOCATION:  NWSE 32 060S 230E	INSPECT LOCATI	7 BY: / /	/	
SURFACE: 1917 FSL 2127 FEL	Tech Review	Initials	Date	
BOTTOM: 1917 FSL 2127 FEL UINTAH	Engineering	DKO	1/20/06	
UNDESIGNATED ( 2 )	Geology			
LEASE TYPE: 3 - State  LEASE NUMBER: ML-47777	Surface		i i i i i i i i i i i i i i i i i i i	
SURFACE OWNER: 3 - State PROPOSED FORMATION: MVRD COALBED METHANE WELL? NO	LATITUDE: 40.25648  LONGITUDE: -109.3520			
RECEIVED AND/OR REVIEWED:  Plat  Bond: Fed[] Ind[] Sta[] Fee[]  (No. 104155044 )  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit  (No. T-76073 )  RDCC Review (Y/N)  (Date: )  NA Fee Surf Agreement (Y/N)  Intent to Commingle (Y/N)	LOCATION AND SIT  R649-2-3.  Unit  R649-3-2.  Siting: 460 B  R649-3-3.  Drilling Un  Board Cause Eff Date: Siting:  R649-3-11.	General From Qtr/Qtr & 920' Exception it e No:		
COMMENTS: Needs (11-29-	-05)			
STIPULATIONS: 1 Spacing Shp 2- STATEMENT OF	Basis			



#### DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:				NY
WELL NAME & NUMBER:	NORTH WALKE	R HOLLC	W 10-32-6-23	
API NUMBER:	43-047-37400		1	
LOCATION: 1/4,1/4 NW/SE sec	2: <u>32</u> TWP: <u>6S</u> RNG: 2	23E, 191	7 FSL 2127 FEL	
<b>Geology/Ground Water:</b>				
The Houston Ex. Co. proposes to moderately saline water is estima water well within a 10,000 foot rathe center of Section 2. The well surface formation at this location sands interbedded with shales and should adequately protect any near	adius of the center of Son produces water from a sis the Uinta Formation dare not expected to produce to produ	earch of Dection 32 depth of Dection 32.	Pivision of Water  This well is app  77 feet and is ow  inta Formation is	Rights records shows one proximately 1.5 miles SE of ned by the BLM. The made up of discontinuous
<b>Reviewer:</b> Br	ad Hill	Date:	12-05-05	
Surface:				
The predrill investigation of the su	urface was performed	on 11/29/0	05. Ben William	s with UDWR and Jim Davis
with SITLA were invited to this in				
				·
Mr. Williams representing the UD				
limited value yearlong habitat for				
proposed location. He did not rec	commend any restriction	n periods	or actions to the	Operator or SITLA for these
species. He stated no other wildlift	fe species are expected	to be sign	ificantly affected	. Mr. Williams also gave Ms.
Stringham and Mr. Davis a UDWF	Rrecommended seed m	ix to be us	sed when reserve p	oit and location are reclaimed
This site is on State surface, with S	State minerals, and appe	ears to be t	he best site for a lo	ocation in the immediate area
Reviewer: Floyd	Bartlett	Date:	11/30/05	

#### **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 16 mils and a felt subliner shall be properly installed and maintained in the reserve pit.

OPERATOR: THE HOUSTON EXPLORATION COMPANY

WELL NAME & NUMBER: NORTH WALKER HOLLOW 10-32-6-23

**API NUMBER:** 43-047-37400

LEASE: ML-47777 FIELD/UNIT: UNDESIGNATED

LOCATION: 1/4,1/4 NW/SE sec: 32 TWP: 6S RNG: 23E, 1917 FSL 2127 FEL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 640151 E 4457317 N SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

Floyd Bartlett (DOGM), Ginger Stringham (HOUSTON), Ben Williams (UDWR)
Corey Stubbs (Stubbs & Stubbs Construction), Jim Davis, (SITLA).

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

Walker Hollow is located approximately 26 miles southeast of Vernal, UT. It is an ephemeral drainage, which flows northwest into the Green River. General topography characterizing the Walker Hollow area is broad gentle sloping valleys or swales, separated by somewhat low hills or ridges. Ridges or hills frequently have exposed sandstone near the top occasionally forming cliffs. The valleys show sign of seasonal runoff in shallow meandering drainages. Drainages generally are not incised. Access is by paved state and county and graveled county roads.

The proposed North Walker Hollow 10-32-6-23 gas well lies in the broad flat bottom of the Right Fork of Walker Hollow. Topography is essentially level with a slight slope to the northwest. To the south are higher ridges with an exposed sandstone rim. Access will be from existing roads except for approximately 930 feet of new road to be constructed. A barbed wire fence will be intersected with the new road.

#### SURFACE USE PLAN

CURRENT SURFACE USE: wildlife, winter cattle grazing and hunting.

PROPOSED SURFACE DISTURBANCE: 930 feet of new access road and construction of a well location 345'x 200' plus reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached 'TOPO C" map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline will follow the edge of the access road approximately 930 feet to a tie-in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area and is the dominant use.

#### WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Vegetation is dominated by cheat grass. Russian thistle, halogeton and annual mustard also exists.

Dominant fauna is pronghorn, rodents, prairie dogs, songbirds, raptors, deer, bobcat, covote.

SOIL TYPE AND CHARACTERISTICS: Deep light brown sandy loam with no surface rock.

EROSION/SEDIMENTATION/STABILITY: No stability problems are anticipated with the construction and operation of the location. One dry stream low water crossing will be necessary to reach the location.

PALEONTOLOGICAL POTENTIAL: none sited.

#### RESERVE PIT

CHARACTERISTICS: 150' by 75' and 12' deep. The reserve pit is planned in an area of cut. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score of 25, rating as Level I, Highly Sensitive. Operator routinely installs a 16 mil. liner in all reserve pits.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Site was inspected by Sagebrush Archeological Consultants on 11/4/2005. A report of this investigation will be placed on file.

#### OTHER OBSERVATIONS/COMMENTS

A fence line runs along the Right Fork of Walker Road. It will be crossed to reach the location. This fence was brought to the attention

of Jim Davis representing SITLA. He stated a cattle guard will be required and will be included in the Surface Agreement that SITLA will issue.

Ben Williams representing the UDWR stated the area is classified as high value yearlong habitat for antelope and limited value yearlong habitat for deer. Also a old but possibly active prairie dog colony is partially within the proposed location. He did not recommend any restrictions to the Operator or SITLA.

#### ATTACHMENTS

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

11/29/2005 09:30 AM DATE/TIME

#### Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet) >200 100 to 200	0 · 5	
75 to 100	10	
25 to 75	15	<u>o</u>
<25 or recharge area	20	<del>-</del>
Distance to Surf. Water (feet)	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320 <500	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0 -	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents		_
nazardous constituents	20	<u> 5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

25

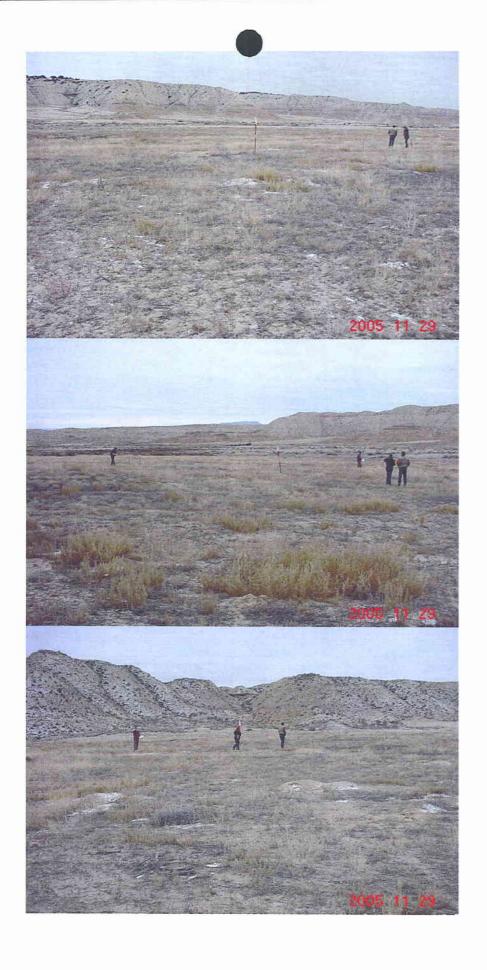
(Level I Sensitivity)

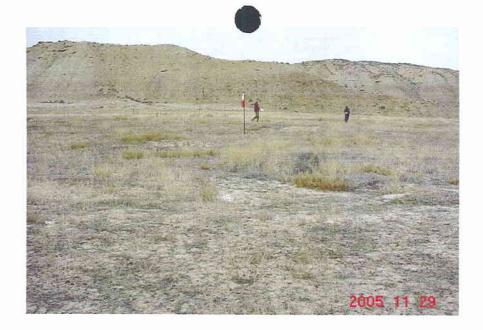
Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

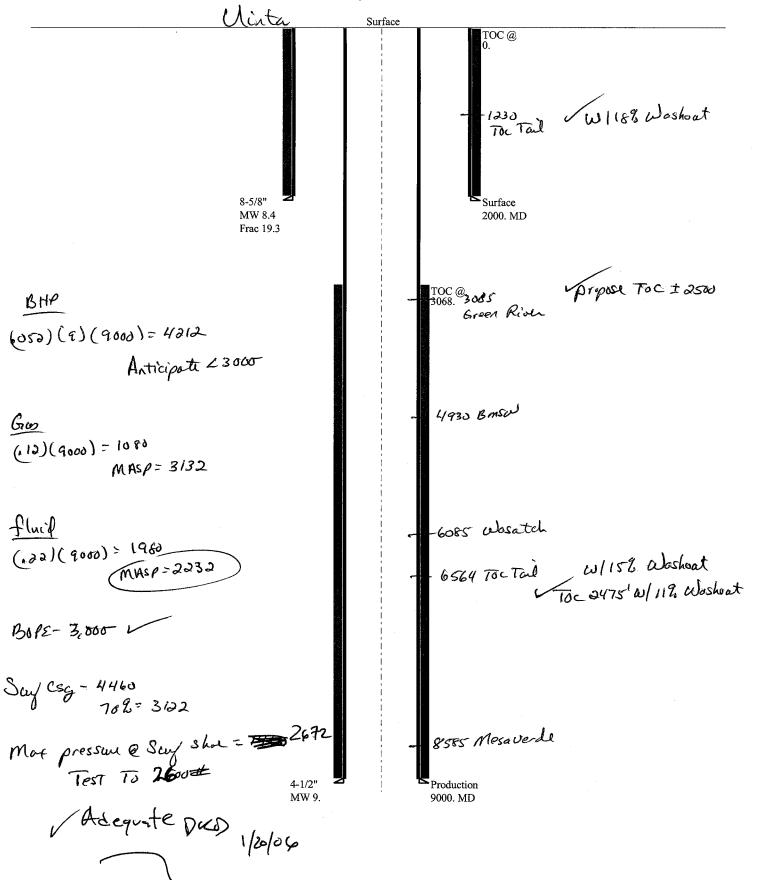
Sensitivity Level III = below 15; no specific lining is required.

Final Score





**Casing Schematic** 



Well name:

01-06 Houston N Walker Hollow 10-32-6-23

Operator:

**Houston Exploration Company** 

String type:

Surface

Project ID:

Location:

**Uintah County** 

43-047-37400

D	esign	param	eters:

**Collapse** 

Mud weight:

8.400 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:** 

H2S considered? Surface temperature:

No 65 °F

Bottom hole temperature:

93 °F

Temperature gradient: Minimum section length; 1.40 °F/100ft 250 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

Cement top:

0 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

1,760 psi 0.120 psi/ft

2,000 psi

**Tension:** 

8 Round STC: 8 Round LTC:

**Buttress:** 

Premium: Body yield:

1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 1,749 ft

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

9.000 ft 9.000 ppg 4,208 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure

2,000 ft 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	3450	3.953	2000	4460	2.23	63	434	6.89 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 810-359-3940

Date: January 18,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

01-06 Houston N Walker Hollow 10-32-6-23

Operator:

**Houston Exploration Company** 

Production

Design is based on evacuated pipe.

String type:

Design parameters:

Mud weight:

Project ID:

43-047-37400

Location:

Collapse

**Uintah County** 

Minimum design factors:

Collapse: Design factor

1.125

**Environment:** 

H2S considered? Surface temperature:

Nο

Bottom hole temperature:

65 °F 191 °F

Temperature gradient:

Non-directional string.

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

3,068 ft

**Burst** 

Max anticipated surface

No backup mud specified.

pressure:

1,760 psi

9.000 ppg

Internal gradient: Calculated BHP

0.272 psi/ft

4,208 psi

Tension:

8 Round STC:

8 Round LTC:

**Buttress:** Premium:

Body yield:

1.80 (J) 1.80 (J)

1.60 (J) 1.50 (J)

1.50 (B)

Tension is based on buoyed weight. Neutral point: 7,789 ft

Run Segment Nominal End True Vert Measured Drift Internal Seq Length Size Weight Grade **Finish** Diameter Depth Depth Capacity (ft) (in) (lbs/ft) (ft) (ft) (in) (ft³) 1 9000 4.5 11.60 N-80 LT&C 9000 9000 3.875 208.6 Run Collapse Collapse Collapse **Burst Burst Burst Tension Tension Tension** Load Strength Seq Design Load Strength Design Load Strength Design (psi) (psi) Factor (psi) (psi) **Factor** (Kips) (Kips) **Factor** 1 4208 6350 1.509 4208 7780 1.85 90 223 2.47 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 810-359-3940

Date: January 18,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From:

Ed Bonner

To:

Whitney, Diana

Date:

12/20/2005 9:54:05 AM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC

Big Pack 12-21-11-2

Big Pack 12-21-13-2

Big Pack 12-21-24-2

EOG Resources, Inc.

Chapita Wells Unit 695-32

The Houston Exploration Company

North Walker Hollow 2-32-6-23

North Walker Hollow 8-32-6-23

North Walker Hollow 10-32-6-23

North Walker Hollow 12-32-6-23

North Walker Hollow 16-32-6-23

North Horseshoe 12-7-6-22

North Horseshoe 16-9-6-22

North Horseshoe 14-10-6-22

North Horseshoe 2-15-6-22

North Horseshoe 4-15-6-22

Westport Oil & Gas Company

NBU 1022-20N

NBU 1022-20L

NBU 1022-20F

NBU 1022-20D

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



#### Clinton Dworshak - cement sks changes

From:

eric bowedn <starman686@yahoo.com>

To:

<cli>tondworshak@utah.gov>

Date: Subject: cement sks changes

1/18/2006 1:39 PM

here are the cement sks changes that you reqested.

Yahoo! Photos - Showcase holiday pictures in hardcover

Photo Books. You design it and we'll bind it!

# THE HOUSTON EXPLORATION COMPANY

WELL NAME	API	LEAD	TAIL
		sks	sks
NH 9-16-6-21	43-047-37439	415	514
NH 3-16-6-21	43-047-37391	415	<u>514</u>
NH 13-16-6-21	43-047-37575	415	514
NH 15-2-6-21	43-047-37477	415	514
NH 13-2-6-21	43-047-37476	415	514
NH 11-16-6-21	43-047-37441	499	515
NH 7-16-6-21	43-047-37438	499	515
NH 1-16-6-21	43-047-37442	499	515
NH 15-16-6-21	43-047-37440	499	<u>515</u>
NH 12-7-6-22	43-047-37392	415	<u>515</u>
NH 16-9-6-22	43-047-37393	415	515
NH 14-10-6-22	43-047-37394	415	515
NH 4-15-6-22	43-047-37396	415	515
NH 2-15-6-22	43-047-37395	415	515
NWH 13-36-6-23	43-047-37463	357	526
NWH 15-36-6-23	43-047-37464	357	526
NWH 11-36-6-23	43-047-37462	357	526
NWH 14-32-6-23	43-047-37478	357	526
NWH 2-32-6-23	43-047-37399	357	526
NWH 8-32-6-23	43-047-37401	357	526
NWH 10-32-6-23	43-047-37400	357	526
NWH 12-32-6-23	43-047-37397	357	526
NWH 16-32-6-23	43-047-37398	357	526
G 2-2-6-19	43-047-37561	153	1,050
G 16-2-6-19	43-047-37562	153	1,050
G 1-2-6-19	43-047-37563	153	1,050
G 3-2-6-19	43-047-37568	153	1,050



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

January 23, 2006

Houston Exploration Company 1100 Louisiana, Suite 2000 Houston, TX 77002

Re:

North Walker Hollow 10-32-6-23 Well, 1917' FSL, 2127' FEL, NW SE,

Sec. 32, T. 6 South, R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37400.

Sincerely,

Gil Hunt

**Associate Director** 

pab Enclosures

cc:

**Uintah County Assessor** 

SITLA

Operator:	Houston Exploration Company
Well Name & Number	North Walker Hollow 10-32-6-23
API Number:	43-047-37400
Lease:	ML-47777

Conditions of Annuovo

#### **Conditions of Approval**

Sec. 32

T. 6 South

**R.** 23 East

#### 1. General

Location: NW SE

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-37400 January 23, 2006

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



State of Utah

# Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

February 26, 2007

Ginger Stringham
The Houston Exploration Co.
1100 Louisiana, Suite 2000
Houston, TX 77002-6800

Re:

APD Rescinded -N Walker Hollow 10-32-6-23 Sec. 32 T. 6 R. 23E

Uintah County, Utah API No. 43-047-37400

Ms. Stringham:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 23, 2006. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective February 26, 2007.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc: Well File

SITLA, Ed Bonner

#### Division of Oil, Gas and Mining

COMMENTS:

#### **OPERATOR CHANGE WORKSHEET**

1. DJJ 2. CDW

Change of Operator (Well Sold)	ange of Operator (Well Sold) X - Operator Merger							
The operator of the well(s) listed below has cha			6/1/2007					
FROM: (Old Operator): N2525 - The Houston Exploration Company 1100 Louisiana, Suite 2000 Houston, TX 77002	TO: (New Operator): N6965-Forest Oil Corporation 707 17th St, Suite 3600 Denver, CO 80202							
Phone: 1-(713) 830-6800	Phone: 1 (303)	812-1755			_			
CA No	•			Unit:				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation v 2. (R649-8-10) Sundry or legal documentation v 3. The new company was checked on the Depart	vas rec vas rec	eived f eived f	rom the	NEW operator	on:	7/30/2007 7/30/2007 s Database of	<del>-</del> -	7/31/2007
4a. Is the new operator registered in the State of		01 001		Business Numb		571171-0143		
4b. If NO, the operator was contacted contacted				Dusiness I varie			_	
5a. (R649-9-2)Waste Management Plan has been		ed on:		IN PLACE				
5b. Inspections of LA PA state/fee well sites com					•			
5c. Reports current for Production/Disposition &				YES	•			
6. Federal and Indian Lease Wells: The E					- e merger, na	me change.		
or operator change for all wells listed on Federat					BLM	not yet	BIA	
7. Federal and Indian Units:						<b>-</b> ′		_
The BLM or BIA has approved the success	or of u	nit ope	rator fo	r wells listed on:		n/a		
8. Federal and Indian Communization A							_	
The BLM or BIA has approved the operato 9. Underground Injection Control ("UIC	r for al		listed v		oved UIC F	n/a form 5, Trans	_ fer of Au	ithority to
Inject, for the enhanced/secondary recovery		oject fo	or the wa	ater disposal we	ll(s) listed o	n:	n/a	_
DATA ENTRY:	•	_		_				
<ol> <li>Changes entered in the Oil and Gas Databas</li> <li>Changes have been entered on the Monthly O</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS</li> <li>Injection Projects to new operator in RBDMS</li> </ol>	Operat on: S on:			7/31/2007 pread Sheet on: 7/31/2007 7/31/2007 n/a	- - -	7/31/2007	-	
6. Receipt of Acceptance of Drilling Procedures	for A	PD/Ne	w on:		pending			
BOND VERIFICATION:				(00(05)				
1. Federal well(s) covered by Bond Number:				6236351 n/a	_			
<ul><li>2. Indian well(s) covered by Bond Number:</li><li>3a. (R649-3-1) The NEW operator of any fee w</li></ul>	ell(s) 1	listed c	overed l		- r	6218963		
3a. (R649-3-1) The <b>NEW</b> operator of any fee w 3b. The <b>FORMER</b> operator has requested a rele					not yet		_	
30. The FURIVIER operator has requested a refe	ase or	naomi,	y 110111 t	non bond on.	not yet	-		
LEASE INTEREST OWNER NOTIFI	CAT	ION:						
4. (R649-2-10) The <b>FORMER</b> operator of the fe				tacted and infor	med by a le	tter from the	Division	
of their responsibility to notify all interest own					8/1/2007			

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES	FORM 9
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8 WELL NAME and NUMBER: See Attached List 9. API NUMBER:
Forest Oil Corporation N6965	various
3. ADDRESS OF OPERATOR: 707 17th Street, #3600 CITY Denver, STATE CO ZIP 80202 PHONE NUMBER (303) 812-1755	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL  FOOTAGES AT SURFACE: See attached list	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REF	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: Change of Operator
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	ОМ
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, vol	1010010
Effective 6/1/2007 please change the operator for the attached list of Utah wells from The N-2525) to Forest Oil Corporation (N-6965). Forest merged with The Houston Exploration document is attached The contract operated wells will continue to be contract operated	n Company, a copy of the merger
Forest Oil Corporation as new operator, accepts all applicable terms, conditions, stipulatic approved operations conducted on the lease or portion of the lease described.	ons and restrictions concerning
Forest Oil Corporation meets the State of Utah bonding requirements under Safeco bond	#6218963.
Please send all future correspondence to Forest Oil Corporation at the above listed addre	
Forest Oil Corporation, 707 17th Street, Suite #3600, Denver, CO 80202	
$(\mathcal{L}(x))^{\prime}$	-5-07
J. Z. Ridens, Senior Vice President - Western Region	Date
NAME (PLEASE PRINT) Joanne C. Hresko TITLE Vice President	& General Mgr Northern Division
SIGNATURE Janu C. Thishis DATE 7-5.0	7
This space for State use only)  ADDROVED 7/3/107 No wells in AP	O status or

(This spa

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(5/2000)

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician

well_name	sec	twp	rng	api	entity	lease	well	stat	flag	unit	qtr_qtr	l num	op no
FEDERAL 28-01	28			4304730098	-	Federal	GW	S			SESE	UTU-016257	
CONOCO STATE 32-2	32	080S		4304730100	10096	State	GW	S			NENE	ML-11124	N2525
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P			NESW	UTU-76281	N2525
BONANZA 4B-12	12	090S	230E	4304733806	14593	Federal	D	PA			NWNW	UTU-74426	N2525
WALKER HOLLOW 13-31	31	060S	230E	4304735039		Federal	GW	LA			SESW	UTU-76280	N2525
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	S			SENW	ML-47063	N2525
BONANZA 2B-16	16	090S	240E	4304735694	14186	State	D	PA			NWNE	ML-46526	N2525
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P			NWNE	ML-47061	N2525
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	S			NWNE	ML-47063	N2525
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	S			NWSE	ML-47063	N2525
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P			NWSW	ML-47063	N2525
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P			NESW	ML-46907	N2525
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	S			NWNW	ML42061	N2525
BONANZA 12A-22	22	090S	240E	4304735922	14520	Federal	D	PA			NWSW	UTU-78118	N2525
BONANZA 14-16	16	090S	240E	4304735941	14521	State	D	PA			SESW	ML-46526	N2525
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P	C		NESW	ML-47078	N2525
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	S			SWNE	ML-47063	N2525
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P			NENW	ML-47063	N2525
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	S			SWNW	ML-47063	N2525
GUSHER 6-2	02	060S	190E	4304736963		State	OW	LA			SENW	ML-49144	N2525
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	DRL	C		NENW	ML-49317	N2525
N HORSESHOE 12-7-6-22	07	060S	220E	4304737392		State	GW	LA			NWSW	ML-47969	N2525
N HORSESHOE 16-9-6-22	09	060S	220E	4304737393		State	GW	LA			SESE	ML-47969	N2525
N HORSESHOE 14-10-6-22	10	060S	220E	4304737394		State	GW	LA			SESW	ML-47969	N2525
N HORSESHOE 2-15-6-22	15	060S	220E	4304737395		State	GW	LA			NWNE	ML-47969	N2525
N HORSESHOE 4-15-6-22	15	060S	220E	4304737396		State	GW	LA			NWNW	ML-47969	N2525
N WALKER HOLLOW 12-32-6-23	32	060S	230E	4304737397		State	GW	LA	1		NWSW	ML-47777	N2525
N WALKER HOLLOW 16-32-6-23	32	060S	230E	4304737398		State	GW	LA			SESE	ML-47777	N2525
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	DRL	C		NWNE	ML-47777	N2525
N WALKER HOLLOW 10-32-6-23	32	060S	230E	4304737400		State	GW	LA			NWSE	ML-47777	N2525
N WALKER HOLLOW 8-32-6-23	32	060S	230E	4304737401		State	GW	LA			SENE	ML-47777	N2525
N WALKER HOLLOW 11-36-6-23	36	060S	230E	4304737462		State	GW	LA			NESW	ML-47970	N2525
N WALKER HOLLOW 13-36-6-23	36	060S	230E	4304737463		State	GW	LA			SWSW	ML-47970	N2525
N WALKER HOLLOW 15-36-6-23	36	060S	230E	4304737464		State	GW	LA			SWSE	ML-47970	N2525
N WALKER HOLLOW 14-32-6-23	32	060S	230E	4304737478		State	GW	LA			SESW	ML-47777	N2525
HACKING RES 11-32-8-25	32		<del></del>	4304737479		State	GW	LA			NESW	ML-11124	N2525
HACKING RES 3-32-8-25	32	080S	250E	4304737480		State	GW	LA			NENW	ML-11124	N2525
HACKING RES 5-32-8-25	32	080S	250E	4304737481		State	GW	LA			SWNW	ML-11124	N2525
HACKING RES 15-32-8-25	+	<del></del>		4304737482		State	GW	+			SWSE	ML-11124	N2525
HACKING RES 9-32-8-25		<del></del>		4304737483		State	GW	<del></del>			NESE	ML-11124	N2525
HACKING RESERVOIR 7-32-8-25	32	080S	250E	4304737571	15885	State		DRL	C		SWNE	ML-11124	N2525